

AMENDMENT TO THE SPECIFICATION

Please replace the paragraph beginning at page 9, line 3 with the following rewritten paragraph:

As shown in Fig. 3, FOG 10 may include an optical subsystem 12 and an electrical subsystem 14. Optical subsystem 12 may include a light source 22, a beam splitter 24, a beam splitter and phase modulator 26, and an optical waveguide 28. Electrical subsystem 14 may include a signal digitizer 30 and a demodulator 32. Optical subsystem 12 can provide a signal 16 to electrical subsystem 14, and electrical subsystem 14 can provide a feedback signal 18 to optical subsystem 12. Electrical subsystem 14 can also provide a signal 20 to an application. FOG components 22, 24, 26, 28, 30, and 32 may be connected by optical and/or electrical connection(s) and may communicate with component(s) other than those illustrated.